

ABSTRACT OF THE DISCLOSURE

A linear motor apparatus includes a movable member having a magnet, and a coil wound about the magnet so as to generate a drive force for driving the movable member and having a multi-layered structure formed by winding a foil-like conductor and an insulating layer. The foil-like conductor (i) has a plurality of partial coils having identical current application/rotation directions, and the plurality of partial coils are formed in such a way that the foil-like conductor forms a continuous, seamless strip, and (ii) is continuously wound in a multilayered, aligned state to form the coil, and adjacent layers of the foil-like conductor are insulated by the insulating layer.